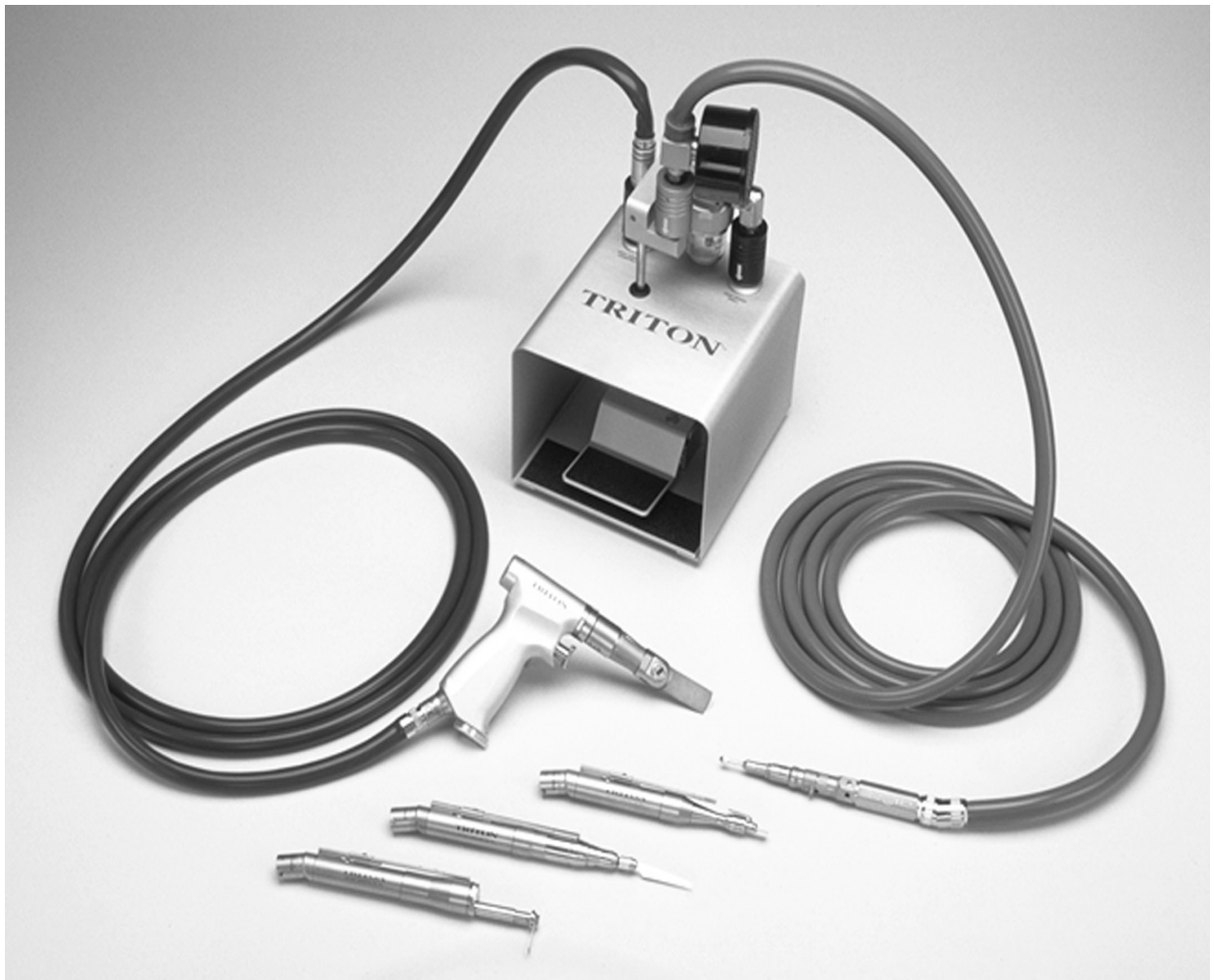




Medtronic

TRITON™

Power Surgical Instrument System



Instruction Manual

Rx Only

Glossary of Universal Symbols


















	Attention, see <i>Instructions for Use</i> .
Rx Only	United States federal law restricts this device to sale by or on the order of a physician.
	Reference Number
	Lot Number
	Serial Number
	Quantity
	For single patient use only. Do not re-use, re-process, or re-sterilize this product. Re-use, re-processing or re-sterilization may compromise the structural integrity of the device and/or create a risk of contamination of the device, which could result in patient injury, illness, or death
≈	Approximately equal to
	Non-Sterile
	Sterilized by Gamma Irradiation
	Use by date
	Date of manufacture
	Temperature Limitations
	Compliant with European Council Directive MDD 93/42/EEC.
	Authorized Representative in the European Community
	USA Only
	Do not dispose to unsorted municipal waste.
	Manufacturer
	Contains DEHP (di-2-ethyl hexyl phthalate)

Table of Contents

TRITON™ Power Surgical Instrument System Components	2
Power Source Requirements	4
“SAFE” Position	5
Pre-Operative Procedures	6
Post-Operative Procedures	8
TRITON™ Power Surgical Instrument System Sterilization	10
TRITON™ High Torque Handpiece	11
TRITON™ High Torque Handpiece Attachments	12
TRITON™ Compact Micro-Saw Handpieces	16
TRITON™ Hose	18
Precautions	19
Warnings	20
Service and Warranty	21

General Warning

Before using the TRITON™ Power Surgical Instrument System, it is EXTREMELY important that you read this instruction manual.

Extreme caution must be observed when using TRITON components near delicate neural and vascular structures. Improper use may cause injury to the patient or hospital staff.

We recommend in-service training by our representatives. If questions arise, please call one of our consultants at 800-643-2773 or 817-788-6400.

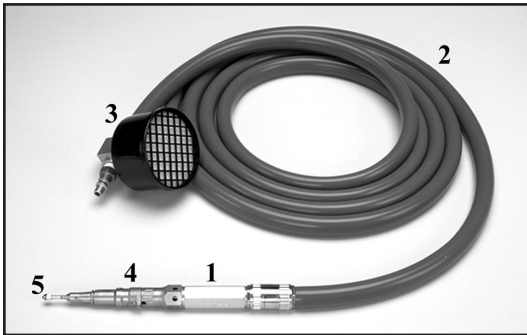
Indications for Use

The TRITON™ Power Surgical Instrument System is intended for use during surgical procedures to cut hard tissue, bone, and soft tissue.

TRITON™ Power Surgical Instrument System Components

MIDAS REX® High Speed Motor

- Controlled by foot pedal on TRITON Pneumatic Control.



- 1 - Motor
- 2 - Permanently attached hose
- 3 - Disposable air diffuser
- 4 - Attachment
- 5 - Dissecting Tool

[Refer to Midas Rex Instrumentation System Instruction Manual for detailed operating instructions.]

TRITON™ High Torque (HT) Handpiece



- 1 - "Pistol Grip" Pneumatic Motor
- 2 - TRITON Hose (removable)
- 3 - "Quick Release" button (easy installation and removal of TRITON Attachments)
- 4 - Trigger Control (pressure sensitive to allow variable speed operation)
- 5 - Forward/Reverse Switch (directional)

TRITON™ Compact Micro-Saw Handpieces



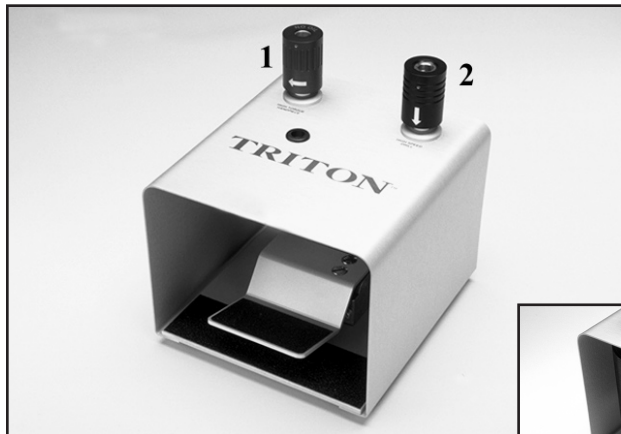
- All use TRITON Hose (removable).
- Each has variable speed, Finger Control with a "Safety Slide."

- 1 - Micro-Oscillating Saw Handpiece
- 2 - Micro-Sagittal Saw Handpiece
- 3 - Micro-Reciprocating Saw Handpiece

TRITON™ Power Surgical Instrument System Components

TRITON™ Pneumatic Control

- Independent operation of both the MIDAS REX® Motor and the TRITON HT Handpiece or a TRITON Compact Micro-Saw Handpiece.
- U.S. version (part #703002) includes internal regulator and operates at 8.3 bar (120 psi) nominal pressure, 13.8 bar (200 psi) maximum pressure.
- International version (part #703003) does not include internal regulator and operates at pressures up to 8.3 bar (120 psi).
- Maximum pressure for the MIDAS REX Motor is either 8.3 bar (120 psi), 10.3 bar (150 psi), or 13.8 bar (200 psi), depending on the pressure requirements of the MIDAS REX Motor being used.
- Also operates MEDNEXT® Drill. Maximum pressure for MEDNEXT Drill is 10.3 bar (150 psi). [Refer to Mednext Bone Dissecting System Instruction Manual (#913001) for detailed operating instructions.]
- Quick-connect couplers for TRITON Auto Lubricator (for use with the MIDAS REX Motor) and for TRITON Hose. Connect MIDAS REX Motor to gold quick-connect coupler on TRITON Auto Lubricator. Use black quick-connect coupler for MEDNEXT Drill.



- 1 – Quick-connect coupler for TRITON Hose
- 2 – Quick-connect coupler for TRITON Auto Lubricator with MIDAS REX Motor or for MEDNEXT Drill



- 3 – DISS (Diameter Index Safety System) fitting for Pneumatic Supply Hose

Pneumatic Supply Hose



DISS fitting connects the gas source to the Pneumatic Control:

- Standard length – 6.1 meters (20 feet)
- Optional length – 9.1 meters (30 feet)

Power Source Requirements

Specifications	TRITON™ HT Handpiece	TRITON™ Compact Micro-Saw Handpiece
Operating pressure	8.3 to 13.8 bar (120 to 200 psi) with U.S. version TRITON Pneumatic Control (#703002); up to 8.3 bar (120 psi) with international version (#703003) 7 bar (100 psi) if connected directly to gas source	8.3 to 13.8 bar (120 to 200 psi) with U.S. version TRITON Pneumatic Control (#703002); up to 8.3 bar (120 psi) with international version (#703003) 7 bar (100 psi) if connected directly to gas source
Activation method	Trigger Control, variable speed	Finger Control, variable speed
Forward/Reverse	Yes	No
Lubrication	None	None
Detachable hose	Yes (blue)	Yes (blue)
Cannulation	3.2 mm (.125")	None

Gas Type

Nitrogen or dry, filtered compressed air.

Required Pressure

U.S. version of TRITON Pneumatic Control with internal regulator (part #703002): 8.3 to 13.8 bar (120 to 200 psi) maximum, 8.3 bar (120 psi) nominal.

International version of TRITON Pneumatic Control without internal regulator (part #703003): 8.3 bar (120 psi) maximum.

Gas Source

Nitrogen cylinder used with a Pressure Regulator (CGA 580 fitting) or in-house compressed air.

TRITON™ High Torque Handpiece

The TRITON HT Handpiece will not operate in the “SAFE” position.

To operate the TRITON HT Handpiece, activate and depress the Trigger Control.



“SAFE”: Turn Trigger Control to either side.



“ON”: Trigger Control in vertical position will allow activation of handpiece.



“SAFE”: Turn directional Forward/Reverse Switch to middle position.



“ON”: Forward/Reverse Switch in forward or reverse position will allow activation of handpiece.

TRITON™ Compact Micro-Saw Handpieces

The TRITON Compact Micro-Saw Handpieces will not operate in the “SAFE” position.

To operate Compact Micro-Saw Handpieces, activate and depress the Finger Control.



“SAFE”: Lift Finger Control and push “Safety Slide” away from “ON” position.



“ON”: To activate, lift Finger Control and push “Safety Slide” to “ON” position.

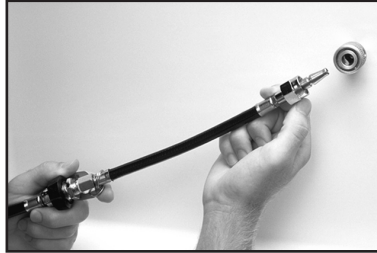
CAUTION: Always install TRITON Handpieces, Attachments, saw blades and other items with Handpiece in “SAFE” position.

Pre-Operative Procedures

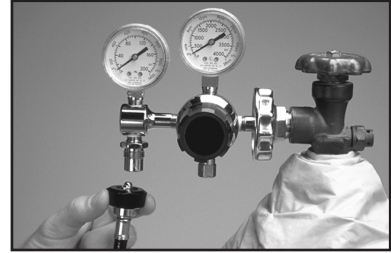
STEP A – Pneumatic Supply Hose Connections (DISS Fittings)



1A. For in-house gas source with DISS fitting, connect one end of Pneumatic Supply Hose to wall fitting.



1B. For in-house gas source with Schrader fitting, connect one end of Pneumatic Supply Hose to DISS-Schrader Adapter. Connect Adapter to wall fitting.



1C. For nitrogen tank gas source, connect one end of the Pneumatic Supply Hose to the Pressure Regulator.

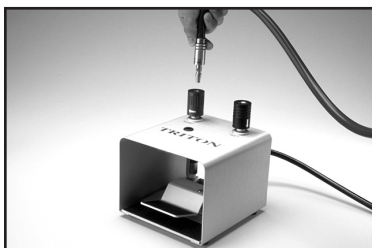


2. Connect the other end of the hose to the Pneumatic Control.

NOTES: When operating TRITON Handpieces without the TRITON Pneumatic Control, connect the male Schrader fitting on TRITON Hose directly to a gas source. Set pressure at 7 bar (100 psi).

When connecting TRITON Pneumatic Supply Hose to a MIDAS REX Safety Valve Regulator (SVR), remove in-line oiler assembly from SVR. Wrench-tighten WF-4 valve to SVR, then hand-tighten Pneumatic Supply Hose DISS fitting to WF-4 valve. Hand-tighten all DISS fittings – DO NOT use wrenches. If DISS fittings are unavailable, contact MIDAS REX® for an adapter.

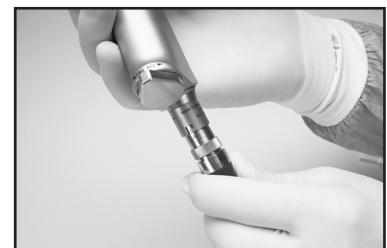
STEP B – TRITON™ Hose and Handpiece Connections to Pneumatic Control



1. Connect color-coded blue TRITON Hose to blue quick-connect coupler on the Pneumatic Control.

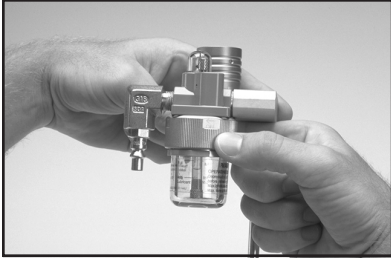


2. Check to see that TRITON HT Handpiece or Compact Micro-Saw Handpiece is in "SAFE" position.

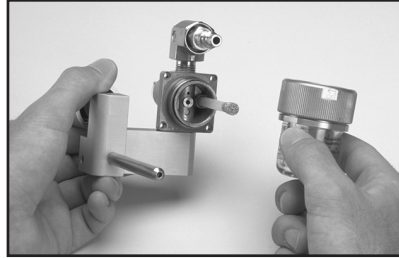


3. Connect TRITON HT Handpiece or Compact Micro-Saw Handpiece to TRITON Hose with "J" lock. Handpieces can be connected while the TRITON Hose is pressurized.

STEP C – MIDAS REX® Connections to Pneumatic Control



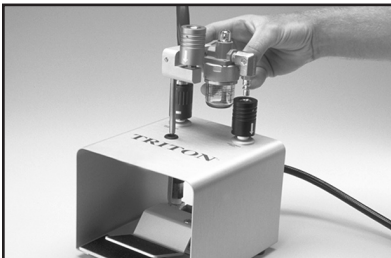
1. Unscrew Lubricant Reservoir in “OFF” direction. (If Pneumatic Control is pressurized, turn off gas source and depress foot pedal 3 to 5 times to remove air from system.)



2. Check that siphon tube is seated firmly in side hole under reservoir cap.



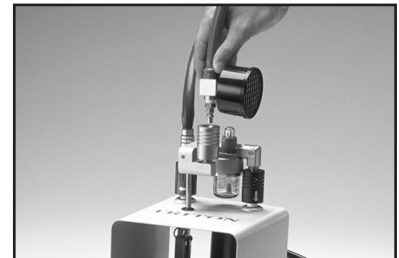
3. Fill with MIDAS REX Lubricant until lubricant reaches “FULL” line. Reattach and firmly hand-tighten reservoir. CAUTION: Do not cross-thread reservoir. Use only MIDAS REX Lubricant.



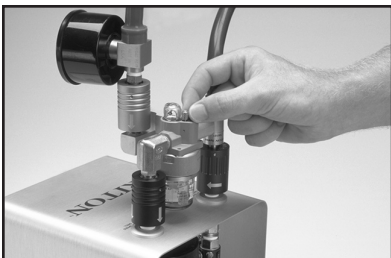
4. Place alignment pin of Auto Lubricator into alignment port of Pneumatic Control. Push Auto Lubricator into black quick-connect coupler.



5. Attach Air Diffuser to base of MIDAS REX motor hose.



6. Connect MIDAS REX Motor to gold quick-connect coupler on the Auto Lubricator.
NOTE:
Connect MEDNEXT® Drill directly to black quick-connect coupler on TRITON™ Pneumatic Control. Refer to the MEDNEXT® Bone Dissecting System Manual for lubrication, cleaning and maintenance of the Mednext Drill System.



7. Pressurize system and adjust lubricant flow rate. Depress Pneumatic Control foot pedal to run motor, then adjust flow control on Auto Lubricator (see chart this page).

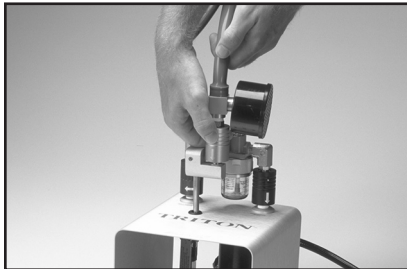
LUBRICANT DRIP RATES

- **MIDAS REX Classic Motor**
1 drop per 10-12 seconds
- **MIDAS REX III Motor**
1 drop per 30-60 seconds

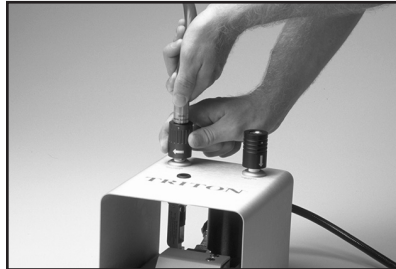
Post-Operative Procedures

Disassembly

1. Discard used dissecting tools and blades.



- 2A. Remove MIDAS REX® Motor from Auto Lubricator by pushing down gold quick-connect coupler. Discard Air Diffuser. If Auto Lubricator is stored separately from Pneumatic Control, store upright or remove lubricant from reservoir before storage.



- 2B. Hold TRITON™ Hose firmly and remove by turning blue quick-connect coupler counter-clockwise.

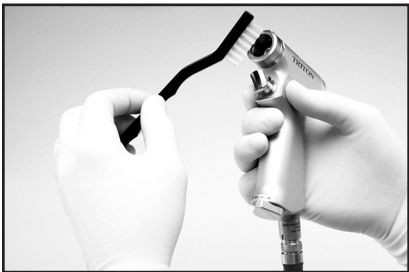


3. Turn off gas source and depress foot pedal 3 to 5 times to remove air from Pneumatic Supply Hose.
4. Remove Pneumatic Supply Hose from Pneumatic Control and gas source.

Cleaning

Clean the MIDAS REX® Motor according to instructions in the MIDAS REX Instrumentation System Operative Manual.

CAUTION: A TRITON™ Handpiece must be connected to the TRITON Hose to keep water out of the Handpiece during the cleaning process.



1. Clean TRITON HT Handpiece, TRITON Compact Micro-Saw Handpieces, TRITON Hose and all TRITON Attachments immediately after use with an appropriate mild detergent solution and brush.



2. Rinse instrumentation under running water to remove all traces of detergent solution. If possible, use distilled water for the final rinse.



3. Disconnect the TRITON Hose from the TRITON HT Handpiece or Compact Micro-Saw Handpiece. Dry all components with a lint-free towel.



- 1A. Clean central cannulation shaft of the TRITON HT Handpiece with a wire driver cannulation brush. Clean nose of the TRITON HT Handpiece, Reciprocating Saw Attachment and Compact Micro-Reciprocating Saw Handpiece with the same brush.



- 1B. Flush the nose of the TRITON HT Handpiece, Reciprocating Saw Attachment and Compact Micro-Reciprocating Saw Handpiece with a water-pik.

WARNINGS: DO NOT lubricate or oil the TRITON Handpieces or the TRITON Hose. DO NOT immerse. DO NOT use ultrasonic washer/sterilizer.

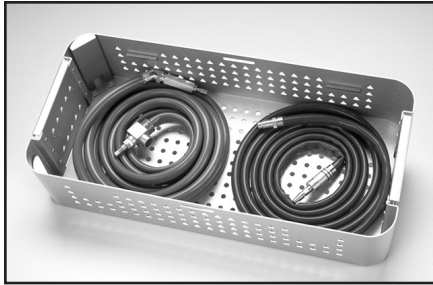
If any TRITON Handpiece is ACCIDENTALLY IMMERSED in saline, disinfectant, cleaning fluid, or any other corrosive substance, take the following steps:

1. Immerse the Handpiece in distilled water for 1 minute to dilute the corrosive fluid.
2. Immediately, steam sterilize the Handpiece in a prevacuum sterilizer at 132° C for 4 minutes.

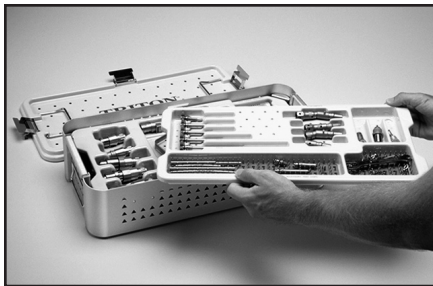
TRITON™ Power Surgical Instrument System Sterilization

Sterilization Guidelines

1. Remove TRITON™ Hose from TRITON™ Handpiece.
DO NOT attempt to remove hose from the MIDAS REX® Motor or MEDNEXT® Drill.



2. Place cleaned MIDAS REX® Motor or MEDNEXT® Drill and TRITON™ Hose in bottom of instrument case.



3. Place TRITON™ Handpieces, attachments, and accessories in appropriate depressions of insert trays.
Set tray in case.

NOTE:

Midas Rex or Mednext attachments can be placed in their respective insert trays and positioned in the TRITON instrument case.

4. Place lid on instrument case and sterilize.

Exposure Times

Pre-Vacuum Steam Sterilization
132°C/270°F for 4 minutes.

Gravity Displacement Steam Sterilization
132°C/270°F for 30 minutes.

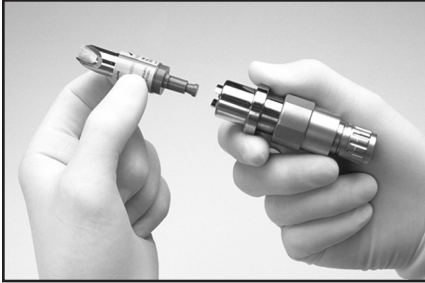
WARNINGS:

Following steam sterilization, the instrumentation must be allowed to cool to room temperature prior to use.

Dissecting tools and saw blades are single use, disposable items.

DO NOT steam sterilize Pneumatic Control, Auto Lubricator, Pneumatic Supply Hose, DISS to Schrader Adapter or Pressure Regulator; the sterilization process could damage components and void the warranty.

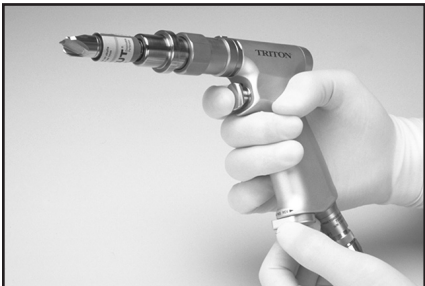
TRITON™ High Torque Handpiece Operation



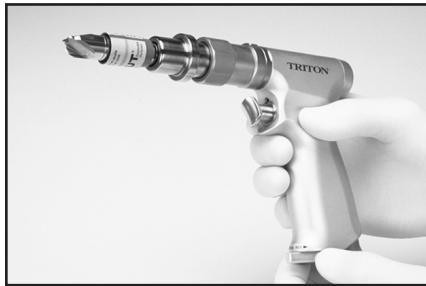
1. Attachments may be preloaded before insertion into the TRITON HT Handpiece.



2. With TRITON HT Handpiece in “SAFE” position, insert preloaded Attachment by depressing quick-release button on top of Handpiece. Snap Attachment into Handpiece with a slight twisting motion until seated.



3. Place the TRITON HT Handpiece in “RUN” position with the Trigger Control vertical. The Forward/Reverse Switch should be in the “FORWARD” position.



4. After use, return Trigger Control to “SAFE” position prior to removing Attachment. Turn Forward/Reverse Switch to middle position.



5. Remove Attachment by depressing quick-release button on top of TRITON HT Handpiece.



NOTE: The TRITON HT Handpiece has a Handle Extension that screws into the back of the Handpiece. The Handle Extension provides balance and two-handed control for various drilling and cutting applications.

CAUTION: Insert all Attachments into TRITON HT Handpiece with Handpiece in “SAFE” position.

Sagittal Saw Attachment



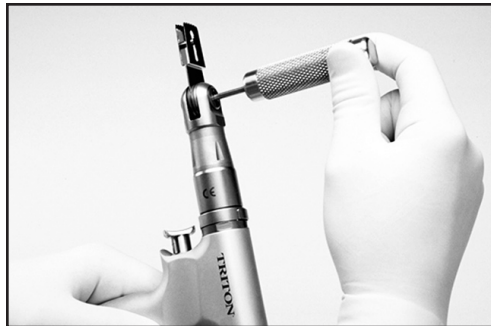
1. Insert Sagittal Saw Attachment into TRITON HT Handpiece in a position to allow easy insertion of the Sagittal Saw Key. Note that Attachment may be installed in 12 different positions to facilitate proper surgical access.



2. Insert the Sagittal Saw Key into the Attachment and turn counterclockwise until there is slight resistance.



3. Insert the blade in the space between the two jaws, ensuring that the blade is fully seated.



4. Turn the Sagittal Saw Key clockwise to lock the blade. Run briefly, then retighten blade.
CAUTION: Do not over-tighten.

To remove the blade, insert the Sagittal Saw Key into the Attachment and turn counterclockwise.

Reciprocating Saw Attachment



1. Insert Reciprocating Saw Attachment into TRITON HT Handpiece while Handpiece is in "SAFE" position. The Attachment may be installed in different positions to facilitate proper surgical access.



2. With collet nut loosened, insert blade until fully seated.

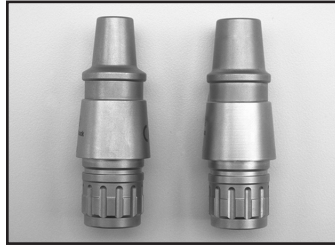


3. Finger-tighten collet nut. Run briefly, then retighten collet nut.

To remove the blade, unscrew the collet nut.

TRITON™ High Torque Handpiece Attachments

AO/Synthes® Chuck and Trinkle Chuck Attachments

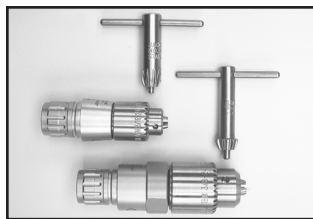


AO/Synthes® Chuck (left) and Trinkle Chuck (right) Attachments.



To install drill bit, pull back on Attachment Collar. Insert drill bit and release Attachment Collar. Reverse procedure to remove drill bit.

Jacobs Chuck Attachments



Jacobs Chucks and key placement for 5/32" and 1/4" HT sizes.

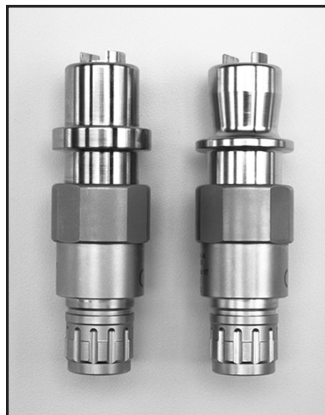


To install drill bit, turn key to open ridged collar. Insert drill bit. Reverse procedure to remove drill bit.



Keyless Jacobs Chucks are available in 1/8" and 1/4" HT sizes.

Hudson and Zimmer® Chuck HT Attachments



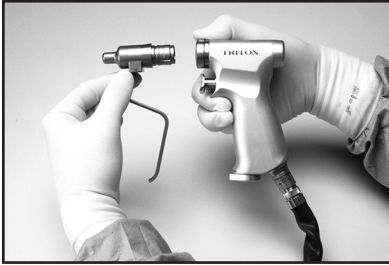
Hudson Chuck HT (left) and Zimmer® Chuck HT (right) Attachments.



To install instrument, pull back on Attachment Collar, then insert male end of instrument into Chuck. Reverse procedure to remove drill bit.

Wire and Pin Collet Attachments

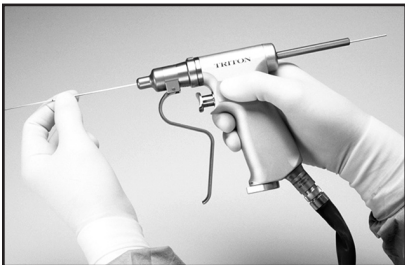
Wire Collet accepts wires up to 1.6mm (.062") in diameter. Pin Collet accepts pins up to 3.2mm (.125") in diameter.



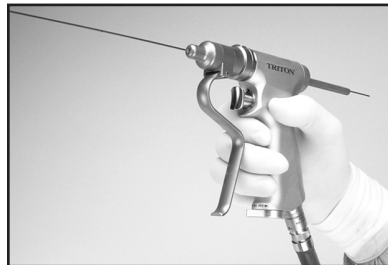
1. Insert Wire or Pin Collet while TRITON HT Handpiece is in "SAFE" position.



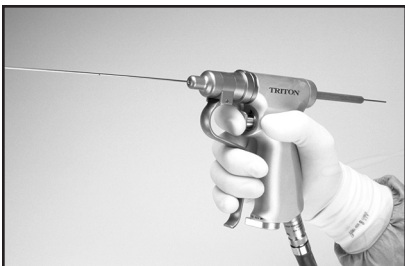
2. Screw the Cannulated Extension into back of the TRITON HT Handpiece to protect operator from the point of the wire or pin.



3. Insert wire or pin into the front or back of the TRITON HT Handpiece.



4. Put the instrument in the "RUN" position by positioning the Trigger Control vertically. Turn Forward/Reverse Switch to the "FORWARD" position.



5. Squeeze wire/pin Advance Lever and hold it down.

6. Depress Trigger Control to drive the wire/pin. The pressure-sensitive trigger allows variable speed operation.
7. To obtain additional wire/pin length, release the wire/pin Advance Lever and Trigger Control. Pull back on the instrument. Squeeze the wire/pin Advance Lever and Trigger Control to drive the wire.
8. To remove threaded wire/pin, put the Forward/Reverse Switch in "REVERSE," squeeze wire/pin Advance Lever and depress Trigger Control.
9. Remove Wire or Pin Collet while TRITON HT Handpiece is in "SAFE" position.

TRITON™ Compact Micro-Saw Handpieces

Compact Micro-Sagittal Saw Handpiece

Insert blade into Compact Micro-Sagittal Saw Handpiece with Safety Slide in the “SAFE” position.



1. To install blade, lift Saw Blade Lever.



2. Align hole in blade with alignment pin in vice.



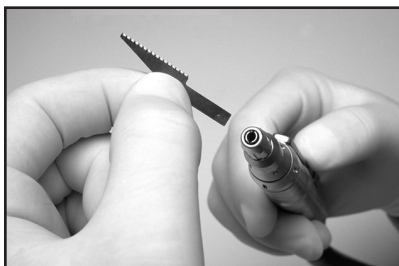
3. Push Saw Blade Lever down to lock blade in place. DO NOT force Saw Blade Lever.

4. To activate, depress Finger Control with Safety Slide in “ON” position.
5. To remove blade, push Safety Slide into “SAFE” position and lift Saw Blade Lever.

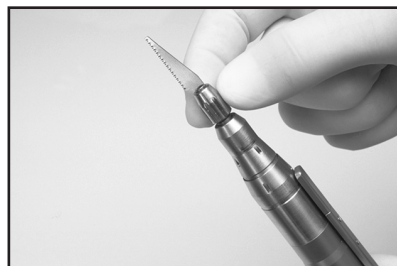
CAUTION: Use Micro-Sagittal Saw Blades only. DO NOT USE HT-SAGITTAL SAW BLADES.

Compact Micro-Reciprocating Saw Handpiece*

Insert blade into Compact Micro-Reciprocating Saw Handpiece with Safety Slide in the “SAFE” position.



1. With collet nut loosened, insert blade until fully seated.



2. Finger-tighten collet nut. Run briefly, then retighten collet nut.

3. To activate, depress Finger Control with Safety Slide in “ON” position.
4. To remove blade, push Safety Slide into “SAFE” position and unscrew collet nut.

Compact Micro-Oscillating Saw Handpiece

Insert blade into Compact Micro-Oscillating Saw Handpiece with Safety Slide in the “SAFE” position.



1. To install blade, use Oscillating Key to unscrew hex nut.



2. Insert blade underneath hex nut and washer. Tighten hex nut with Oscillating Key. Run saw briefly, then retighten hex nut.

3. To activate Micro-Oscillating Saw Handpiece, depress Finger Control with Safety Slide in “ON” position.



4. To remove blade, push Safety Slide into “SAFE” position and use Oscillating Key to unscrew hex nut.

CAUTION: When connecting any Compact Micro-Saw Handpiece to the TRITON Hose, ensure the Safety Slide is in the “SAFE” position. Insert blades into, or remove blades from, any Compact Micro-Saw Handpiece with Safety Slide in the “SAFE” position.

TRITON™ Hose:

1. **Inspect TRITON Hose before each use:** Check carefully for any punctures, tears, or worn areas. Also check the metal bands at each end of the hose for looseness or wear. Do not use a hose that has any of these conditions.
WARNING: Do not attempt to repair a torn hose by wrapping tape around it. This could restrict the exhaust flow and cause the hose to explode.
2. **Test the TRITON Hose prior to surgery:**
 - Wear safety goggles or glasses.
 - Attach the TRITON Hose to the Pneumatic Control.
 - Slowly open the nitrogen control valve (nitrogen tank with regulator or “in-house” nitrogen). Listen for any sounds of leakage. Leakage indicates a worn or damaged hose. **Do not use hose if there is any evidence of pressure leakage.**
 - Attach the TRITON Handpiece to the hose and test for normal operation. Note: if the air hose does not easily insert into the handpiece there are two possible problems: 1) The hose fitting or the handpiece fitting may be bent or damaged. Try another hose and handpiece to see if the damaged part can be identified. It must be returned for service. 2) The O-ring in the handpiece connector may be dried out. It can be lubricated with a small amount of STERILE petroleum jelly or sterile water (not saline).
 - Ensure that the hose does not slip loose from the handpiece when in use. It could whip about, possibly causing an injury.
3. **Return the TRITON Hose at least once per year for routine inspection and service.** Aging and repeated usage/sterilization will gradually deteriorate the hose materials. Eventually, the materials may crack and break under pressure. This could result in the hose exploding and whipping about, possibly causing an injury. This is why it is important to routinely return the hose for inspection and service.

Precautions

- Prior to each use, the entire TRITON™ Power Surgical Instrument System must be inspected for proper operation. Check all components for gas leakage and return for servicing if necessary.
- DO NOT OPERATE power system if the TRITON Hose is damaged.
- Inspect the TRITON Hose before each use for any punctures, tears, or worn areas. Also check the metal bands at each end of the hose for looseness or wear. Do not attempt to repair a torn hose by wrapping tape around it; such taping could restrict the exhaust flow and cause the hose to rupture. If the TRITON Hose is damaged, send it in for repair.
- Return the TRITON Hose at least once per year for routine inspection and service. Normal aging, repeated usage, and sterilization will gradually deteriorate the hose materials, causing cracks and breakage under pressure.
- Attach the TRITON Handpieces to the hose and test for normal operation. NOTE: If the TRITON Hose does not insert easily into the Handpieces, there are two possible problems:
 1. The hose fitting or the Handpiece fitting may be bent or damaged. Try another hose and Handpiece to see if the damaged part can be identified. Return damaged parts for service.
 2. The o-ring in the Handpiece connector may be dried out. It can be lubricated with a small amount of sterile petroleum jelly or sterile water (not saline).
- Wear safety goggles or glasses when using the TRITON Power Surgical Instrument System.
- DO NOT initiate patient contact without testing instruments completely. Test for vibration, heat, etc. in the Handpieces, Attachments, and hoses.
- ALWAYS change Handpieces and Attachments with instrument in the “SAFE” position.
- DO NOT operate Saw Attachments or Compact Micro-Saws if blades cannot be firmly secured.
- DO NOT use excessive force during surgery. Using excessive force may cause vibration or breakage, which may result in serious injury.
- USE ONLY TRITON saw blades with the TRITON HT Handpiece Saw Attachments and Compact Micro-Saw Handpieces. Exact fit of blades is essential for stability and proper operation of equipment.

Warnings

Warnings

- **DO NOT** operate the TRITON™ Power Surgical Instrument System unless you have been trained by an official Medtronic Midas Rex representative.
- Prior to each use, the entire TRITON Power Surgical Instrument System must be inspected for proper operation. Check all components for air leakage and return for servicing if leakage is noticed.
- **DO NOT** initiate patient contact without testing instruments completely: test for vibration, heat, etc. in the handpiece, hose, and attachments.
- Eye protection should be worn by operating room personnel and surgeons during use of the TRITON Power Surgical Instrument System.
- Following steam sterilization, the components must be allowed to cool to room temperature prior to use.
- **DO NOT** operate power system if TRITON Hose is damaged.
- **DO NOT** operate handpiece without making sure the proper attachment is used.
- **DO NOT** use an attachment that gets hot or an attachment that is damaged in any way.
- **DO NOT** operate the Sagittal Saw Attachment, Reciprocating Saw Attachment, Compact Micro-Sagittal Saw, Compact Micro-Oscillating Saw, or Compact Micro-Reciprocating Saw if blades cannot be firmly secured.
- **DO NOT** use excessive force during surgery. Excessive force may lead to vibration or breakage which may result in serious injury.
- Use **ONLY** blades manufactured by Medtronic Midas Rex. Exact fit of blades is essential for stability and proper operation of equipment.
- Always install a new blade prior to use.

!USA **Caution:** Federal Law (USA) restricts this device to sale by or on the order of a physician.

Contact: Medtronic Midas Rex

**Technical Support: 800-643-2773
817-788-6400**

CAUTION ABOUT REPAIRS

When MIDAS REX®, MEDNEXT® or TRITON™ equipment requires servicing or repair, it is strongly urged that the equipment be returned to MEDTRONIC MIDAS REX, Fort Worth, TX, for quality assured service by factory-trained personnel who will utilize genuine parts as required.

LIMITED WARRANTY

Medtronic Midas Rex warrants that the instruments and parts sold by Medtronic Midas Rex have been tested, inspected and shipped from the factory in proper working condition, free of visible defects.

Medtronic Midas Rex warrants the following to be free from defects in material and workmanship for a period of one (1) year after the date of purchase:

MIDAS REX® Motors*	TRITON™ Pneumatic Controls
MIDAS REX® Hoses	TRITON™ Attachments
MIDAS REX® Foot Controls	Bur Storage Cabinets
MEDNEXT® Handpieces	Bur Racks
MEDNEXT® Hoses	Pressure Regulators
MEDNEXT® Foot Controls	Sterilization Trays
TRITON™ Handpieces	Pneumatic Supply Hoses
TRITON™ Hoses	

Any service or repair work done by Medtronic Midas Rex on the equipment listed above, following the one (1) year warranty period, will be free from defects in materials and workmanship for a period of six (6) months after the date of shipment back to the customer.

*MIDAS REX® Driver Motor

Medtronic Midas Rex warrants the MIDAS REX® Driver Motor (Product Number: MRDM) to be free from defects in material and workmanship for a period of six (6) months after the date of purchase.

Any service or repair work done by Medtronic Midas Rex on the MIDAS REX® Driver Motor (MRDM), following the six (6) month warranty period, will be free from defects in materials and workmanship for a period of ninety (90) days after the date of shipment back to the customer.

Medtronic Midas Rex warrants the following to be free from defects in material and workmanship for a period of ninety (90) days after the date of purchase:

- MIDAS REX® Attachments and Tubes
- MEDNEXT® Attachments

Medtronic Midas Rex warrants all other accessories not listed above to be free from any defects in material or workmanship for a period of ninety (90) days after the date of purchase. Medtronic Midas Rex will service or replace any accessories found to be defective on receiving the defective part.

Service and Warranty (continued)

This warranty does not apply to any instrument or part, which has been:

1. Damaged by accident, abuse, misuse, or tampering.
2. Modified without written permission of Medtronic Midas Rex.
3. Used contrary to the instructions and warnings specified in the Medtronic Midas Rex instruction manuals for MIDAS REX®, MEDNEXT® or TRITON™ equipment.
4. Serviced or repaired by anyone other than Medtronic Midas Rex.
5. Damaged by the use of accessories other than genuine MIDAS REX® Tools and Attachments, MEDNEXT® Burs and Attachments, or TRITON™ Blades and Attachments.

This warranty does not include any implied warranties or any warranty of any type including without limitation merchantability or fitness for a particular purpose, other than those expressly contained herein. This warranty is exclusive and in lieu of other warranties, whether written, oral or implied.

LIABILITY IN CLINICAL APPLICATIONS

While Medtronic Midas Rex guarantees complete compatibility among its products within a specific product line, it disclaims any responsibility should a surgical procedure be complicated by a misadventure if:

1. The MIDAS REX® Motors are used with dissecting tools other than MIDAS REX® Dissecting Tools that are manufactured, authorized, or quality controlled by the Medtronic Midas Rex.
2. MIDAS REX® Dissecting Tools manufactured, authorized, or quality controlled by the Medtronic Midas Rex are used with any Motor other than the appropriate MIDAS REX® motor.
3. The MEDNEXT® Drills are used with burs other than MEDNEXT® Burs that are manufactured, authorized, or quality controlled by the Medtronic Midas Rex.
4. MEDNEXT® Burs manufactured, authorized, or quality controlled the Medtronic Midas Rex are used with any drill other than the appropriate MEDNEXT® Drill.
5. The TRITON™ HT Handpiece is used with attachments or saw blades other than TRITON™ attachments or saw blades that are manufactured, authorized, or quality controlled by the Medtronic Midas Rex.
6. The TRITON™ Compact Micro-Saws are used with saw blades other than TRITON™ saw blades that are manufactured, authorized, or quality controlled by the Medtronic Midas Rex.
7. TRITON™ saw blades manufactured, authorized, or quality controlled by the Medtronic Midas Rex are used with any handpiece/attachment other than the appropriate TRITON™ handpiece/attachment.

Note: The Limited Warranty does not apply to services required as the result of damage caused by the use of non-genuine MIDAS REX®, MEDNEXT® or TRITON™ manufactured cutting tools. Peak performance, reliability and maximum service life from your MIDAS REX®, MEDNEXT® or TRITON™ instrumentation may be assured by using only those products that are manufactured by and sold through Medtronic Midas Rex, Fort Worth, Texas.

MANUFACTURER'S RECOMMENDATION

It is strongly recommended that Surgeons and Operating Room Personnel become thoroughly familiar with all Medtronic Midas Rex equipment prior to use in surgery. To assist in this effort, Medtronic Midas Rex offers several Hands-On Workshops. Contact your local Medtronic Neurologic Technologies Sales Representative or Medtronic Midas Rex for schedules.



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Medtronic

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Toll-Free: 1-800-335-9557
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